PATENT COOPERATION TREATY

PCT

REC'D	28	AUG	2006

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file	reference				
DES ₀ 1		OR FURTHER ACTION	Examina	ification of Transmittal of International Preliminary tion Report (Form PCT/IPEA/416)	
International application N		ternational filing date (day/month		Priority Date (day/month/year)	
PCT/IN 2004/000399		3 December 2004 (23.12	2.2004)	23 December 2003 (23.12.2003)	
International Patent Classif IPC ⁸ : A61K 31/451 Applicant		al classification and IPC			
SUN PHARMACEU					
This international and is transmitted	preliminary examinate to the applicant according	ation report has been prepared ording to Article 36.	by this I	nternational Preliminary Examination Authority	
2. This REPORT co	nsists of a total of	9 sheets, including this co	over sheet		
		I by ANNEXES, i.e., sheets of his report and/or sheets contai dministrative Instructions und		ription, claims and/or drawings which have beer fications made before this Authority (see Rule I).	
These annexes con		sheets.			
3. This report contain	s indications relating	g to the following items:			
I. 🔀 E	Basis of the opinion				
II. 🔀 P	riority			•	
			y, inventi	ve step and industrial applicability	
	ack of unity of inver				
V. 🕍 R	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI. 🛛 C	ertain documents cit	ed			
VII. 🛛 C	ertain defects in the	international application			
VIII. 🛚 C	ertain observations o	on the international application	ı		
Date of submission of the demand		Date of c	ompletion	of this report	
28. May 2	2005 (28.05.20	005)	4 Au	gust 2006 (04.08.2006)	
Name and mailing address Austrian Patent Office		Authorize	ed officer		
Oresdner Straße 87 A-1200 Vienna				KRENN M.	
Facsimile No. 1/53424/2		Telephon	e No. 1/5	3424/435	
orm PCT/IPEA/409 (cove	er sheet) (July 1998)				

International application No.
PCT/IN 2004/000399

I.		Basis of the report
1.	Witl	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed
		the description:
ĺ		pages, as originally filed
İ		pages, filed with the demand
1		pages, filed with the letter of
		the claims:
ł		pages, as originally filed
		pages, as amended (together with any statement) under Article 19
ļ		pages, filed with the demand pages, filed with the letter of
		——————————————————————————————————————
	Ш	the drawings:
ĺ		pages, as originally filed pages, filed with the demand
İ		pages, filed with the demand
1		
	Ш.	the sequence listing part of the description: pages, as originally filed
		pages, as originally filed pages, filed with the demand
		pages, filed with the letter of
2.		
	which	regard to the language, all the elements marked above were available or furnished to this Authority in the language in the international application was filed, unless otherwise indicated under this item.
	These	e elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	-	the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Pule 55.2 and
3.	`	A 33.5).
э.	prelin	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international ninary examination was carried out on the basis of the sequence listing:
	_	contained in the international application in printed form.
		iled together with the international application in computer readable form.
	_	urnished subsequently to this Authority in written form.
		urnished subsequently to this Authority in computer readable form.
	"	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the atternational application as filed has been furnished.
	L T	The statement that the information recorded in computer readable form is identical to the written sequence listing has een furnished.
4.	Т	he amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos
		the drawings, sheets/fig
5.	Th	is report has been established as if (some of) the amendments had not been made, since they have been considered to go eyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
7	Replacen n this re 0.17).	nent sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to port as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and
** A	ny repla	ncement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT I IN 2004 10003 99

Box No. II	Priority
	port has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit uested:
	copy of the earlier application whose priority has been claimed (Rule 66.7(a))
	translation of the earlier application whose priority has been claimed (Rule 66.7(b))
inva	report has been established as if no priority had been claimed due to the fact that the priority claim has been found lid (Rule 64.1). Thus for the purposes of this report, the international filing date indicated above is considered to be elevant date.
3. Additional	observations, if necessary:
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	, and the second second second second second second second second second second second second second second se
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International application No. PCT/IN 2004/000399

11	l. Non	i-establishment of opinion with regard to novelty, inventive step and industrial applicability				
1.						
		the entire international application,				
	\boxtimes	claims Nos. 8, 9.				
		because: the said international application, or the said claims Nos. require an international preliminary examination (specify):				
		1				
	K-71					
		the description, claims or drawings (indicate particular elements below) or said claims Nos. 8, 9 are so unclear that no meaningful opinion could be formed (specify):				
		Characterization of a composition by storage instructions is insufficient.				
		•				
	П,	he claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion				
	<u>-</u>	could be formed.				
		no international search report has been established for said claims Nos. 8, 9.				
2.	- quei	ningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid ce listing to comply with the standard provided for in Annex C of the Administrative Instructions:				
	th	e written form has not been furnished or does not comply with the standard. e computer readable form has not been furnished or does not comply with the standard.				
m Pe		A/409 (Box III) (July 1998)				

International application No. PCT/IN 2004/000399

IV	<u>La</u>	ck of unity of invention
1.	In re	sponse to the invitation to restrict or pay additional fees the applicant has:
		restricted the claims.
		paid additional fees.
		paid additional fees under protest.
		neither restricted nor paid additional fees.
2.		This Authority found that the requirements of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.
3.	Thi	s Authority considers that the requirements of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
		complied with.
	\boxtimes	not complied with for the following reasons:
Wit	n an	composition containing desloratadine and an antioxidant optionally in admixture organic compound that provides an alkaline pH and/or and alkali metal salt 1-3,10,11,15).
2., cor alk	Ora npo yli m	composition containing desloratadine and a pharmaceutically acceptable organic and that provides an alkaline pH optionally in admixture with an antioxidant and an letal salt (claims 1,4,5,12,13,15).
adı	mixti	composition containing desloratadine and an alkali mtal salt optionally in ure with an antioxidant and an organic compound that provides an alkaline pH 1,6,7,14).
sea	arcn	applicant has not paid an additional fee in response to form PCT/ISA/206, the has been restricted to claims 1-3,10,11 and 15. As a result thereof the preliminary ation report has also been established only for said claims 1-3,10,11 and 15.
4.	Cons	equently, the following parts of the international application were the subject of international preliminary examination tablishing this opinion:
		all parts.
		the parts relating to claims Nos. <u>1-3, 10, 11, 15</u> .
orm D	CT/ID	FA/409 (Box IV) (July 1998)

International application No. PCT/IN 2004/000399

V. Reasoned statement under Art	ticle 35(2)	with regard to novelty, inventive step or industrial applicability;		
citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims	11, 15	YES	
	Claims	1-3, 10	NO	
Inventive step (IS)	Claims	11, 15	YES	
	Claims	1-3, 10	NO	
Industrial applicability (IA)	Claims	1-3, 10, 11, 15	YES	
	Claims		NO	
Citations and explanations (Rule 70.	7)			

US 2003/0194430 A1 refers to a multi-compartment capsule; preferably one compartment is filled with a H_1 -antagonist, e.g. desloratedine and the other contains a radical scavenging, e.g. vitamin E.

US 2003/0118654 A1 discloses a liquid pharmaceutical formulation comprising at least one unpleasant tasting drug, e.g. descarboethoxyloratadine and an antioxidant.

The subject matter of US 2003/0031713 A1 is a bilayer solid composition wherein one layer contains desloratedine in admixture with at least one antioxidant.

CN 1415613 A describes a stable composition of desloratedine fumarate; said salt is obligatorily formed, if desloratedine and fumaric acid are not formulated separately.

In respect of the above cited documents an oral formulation (claims 1-3,10) containing desloratedine in admixture with up to 5 % of at least one anti-oxidant is neither new nor inventive. Claims 11 and 15 show both novelty and inventive step, because none of the cited documents mentions butylated hydroxyl toluene, optionally in admixture with meglumine, as anti-oxidant.

The priority document filed by the applicant has shown the accuracy of the claimed priority date; thus the documents CN 1552324 A, US 2003/0236236 A1 and WO 2004/080461 A2, which were published within the priority term, are now without any relevance.

Industrial applicability is given for claims 1-3, 10, 11 and 15.

International application No. PCT/IN 2004/000399

VI.	Certain documents cited			
1.	Certain published documents (Rule 7	0.10)		
	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
	WO 2004/080461 A2	23.9.2004	12.3.2004	12.3.2003, 28.10.2003, 3.11.2003, 1.12.2003
	US 2003/0236236 A	1 25.12.2003 8.12.2004	22.5.2003 28.5.2003	0.11.2000 _{1,} 1.12.2000
2.	Non-written disclosures (Rule 70.9) Kind of non-written disclosur	e Date of non-wr (day/mont	ritten disclosure h/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
For	rm PCT/IPEA/409 (Box VI) (July 199	8)		

International application No. PCT/IN 2004/000399

VII.	Certain defects in the international application			
The foll	owing defects in the form or contents of the international application have been noted:			
alkali	The formulation "a pharmaceutically acceptable organic compound that provides an alkaline pH" (claim 1) is function-oriented and should be specified. The use of the term "about" (claim 3) in connection with numerical ranges is not allowed.			
l t				

Form PCT/IPEA/409 (Box VII) (July 1998)

International application No. PCT/IN 2004/000399

VIII.	Certain observations on the international application	
supported	owing observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully d by the description, are made:	
The te	erm "therapeutically effective" (claim 1) is meaningless and should be therefore	
:		

Form PCT/IPEA/409 (Box VIII) (July 1998)